

SM3H 3.2 odd answers

1. vertical
3. $a = \frac{1}{4}$
5. false
- 7a. 0, 0
- 7b. -2, 1
- 7c. negative
- 7d. positive
- 7e. 0, 4, 6
- 7f. (0, 4)
- 7g. $[-4, 6]$
- 7h. $[-2, 3]$
- 7i. (0, 0), (4, 0), (6, 0)
- 7j. (0, 0)
- 7k. twice
- 7l. once
- 7m. $x = 5$
- 7n. $x = 2$
9. function
- 9a. Domain: $[-\pi, \pi]$, Range: $[-1, 1]$
- 9b. x-int: $(-\frac{\pi}{2}, 0), (\frac{\pi}{2}, 0)$, y-int: (0, 1)
- 9c. symmetry w/respect to y-axis
11. not a function
13. function
- 13a. Domain: $[0, 4]$, Range: $[0, 3]$,
- 13b. x- and y-intercept: (0, 0)
- 13c. no symmetry
- 15a. yes
- 15b. (-2, 9)
- 15c. $x = 0, \frac{1}{2}, (0, -1), (\frac{1}{2}, -1)$
- 17a. 3
- 17b. -2
- 17c. -1
- 17d. 1
- 17e. 2
- 17f. $-\frac{1}{3}$